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of the sulfur compounds obtained by adding the quantity existing as SO_2 to the quantity of SO_2 that would be obtained if all reduced sulfur compounds were converted to SO_2 (ppmv or kg/dscm (lb/dscf)).

EThe sulfur emission rate expressed as elemental sulfur, kilograms per hour (kg/hr) [pounds per hour (lb/hr)], rounded to one decimal place.

RThe sulfur emission reduction efficiency achieved in percent, carried to one decimal

place. SThe sulfur production rate, kilograms per hour (kg/hr) [pounds per hour (lb/hr)], rounded to one decimal place.

XThe sulfur feed rate from the sweetening unit (i.e., the H₂S in the acid gas), expressed as sulfur, Mg/D(LT/D), rounded to one decimal place.

YThe sulfur content of the acid gas from the sweetening unit, expressed as mole percent H_2S (dry basis) rounded to one decimal place.

 $Z\hat{T}$ he minimum required sulfur dioxide (SO_2) emission reduction efficiency, expressed as percent carried to one decimal place. Z_i refers to the reduction efficiency required at

the initial performance test. Z_c refers to the reduction efficiency required on a continuous basis after compliance with Z_i has been demonstrated.

[50 FR 40160, Oct. 1, 1985, as amended at 65 FR 61773, Oct. 17, 2000]

§ 60.642 Standards for sulfur dioxide.

- (a) During the initial performance test required by $\S60.8(b)$, each owner or operator shall achieve at a minimum, an SO_2 emission reduction efficiency (Z_i) to be determined from table 1 based on the sulfur feed rate (X) and the sulfur content of the acid gas (Y) of the affected facility.
- (b) After demonstrating compliance with the provisions of paragraph (a) of this section, the owner or operator shall achieve at a minimum, an SO_2 emission reduction efficiency (Z_c) to be determined from table 2 based on the sulfur feed rate (X) and the sulfur content of the acid gas (Y) of the affected facility.

Table 1. REQUIRED MINIMUM INITIAL ${\rm SO_2}$ EMISSION REDUCTION EFFICIENCY (${\rm Z_1}$)

H ₂ S content of acid gas (Y), %	Sulfur feed rate (X), LT/D					
	2.0≦X≦5.0	5.0 <x≦15.0< th=""><th>15.0<x≨300.0< th=""><th>X>300.0</th></x≨300.0<></th></x≦15.0<>	15.0 <x≨300.0< th=""><th>X>300.0</th></x≨300.0<>	X>300.0		
Y≧50	79.0	88.51X ^{0.0101} Y ^{0.0125}				
		or 99.8, whichever is smaller				
20≦Y<50	79.0	88.51x ^{0.0101} y	0.0125	97.9		
	or 97.9, whichever is smaller					
10≦Y<20	79.0	88.51X ^{0.0101} Y ^{0.0125}	93.5	93.5		
	or 93.5, whichever is smaller					
Y<10	79.0	79.0	79.0	79.0		

Table 2. REQUIRED MINIMUM ${\rm SO_2}$ EMISSION REDUCTION EFFICIENCY (${\rm Z_C}$)

H ₂ S content of acid gas (Y), %	Sulfur feed rate (X), LT/D					
	2.0≨X≦5.0	5.0 <x≦15.0</x	15.0 <x≦300.0< th=""><th>X>300.0</th></x≦300.0<>	X>300.0		
Y≧50	74.0					
		or 99.8, whichever is smaller				
20≦Y<50	74.0	85.35X ^{0.0144}	Y ^{0.0128}	97.5		
	or 97.5, whichever is smaller					
10≦Y<20	74.0	85.35x ^{0.0144} y ^{0.0128}	90.8	90.8		
Y<10	74.0	74.0	74.0	74.0		

$\S 60.643$ Compliance provisions.

formance test as required by §60.8, the

(a)(1) To determine compliance with the standards for sulfur dioxide specified in $\S60.642(a)$, during the initial per-